

## CLAIMS

What is claimed is:

1. A method comprising:  
receiving an initial code associated with a first framework, the first framework having an object hierarchy; and  
converting the initial code to a converted code that combines the object hierarchy of the first framework with an object hierarchy of a second framework.
2. The method of claim 1 wherein the converting produces a class that inherits from a class of the first framework.
3. The method of claim 2 wherein the class of the first framework comprises a superclass of the first framework.
4. The method of claim 2 wherein the class of the first framework comprises a superclass named java.lang.Object.
5. The method of claim 2 wherein the class of the second framework comprises an array class.
6. The method of claim 2 wherein the class of the second framework comprises an array class named System.Array.
7. The method of claim 1 wherein the converting includes creating a new class.

1           8.     The method of claim 7 wherein the new class inherits from  
2 java.lang.Object and from System.Array.

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4           9.     A computer-readable medium storing computer-executable  
5 instructions to convert an initial code associated with a first framework, the first  
6 framework having an object hierarchy, to a converted code that combines the  
7 object hierarchy of the first framework with an object hierarchy of a second  
8 framework.

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10          10.    A method comprising:  
11           receiving an initial code associated with a first framework, the first  
12 framework having an exception hierarchy; and  
13           converting the initial code to a converted code that combines the exception  
14 hierarchy of the first framework with an exception hierarchy of a second  
15 framework.

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17          11.    The method of claim 10 wherein the converting includes mapping  
18 exceptions.

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20          12.    A computer-readable medium storing computer-executable  
21 instructions to convert an initial code associated with a first framework, the first  
22 framework having an exception hierarchy, to a converted code that combines the  
23 exception hierarchy of the first framework with an exception hierarchy of a second  
24 framework.

1           13.    A method comprising:  
2           receiving an initial code associated with a first framework, the first  
3           framework having an exception hierarchy; and

4           converting the initial code to a converted code that maps the exception  
5           hierarchy of the first framework to an exception hierarchy of a second framework.

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7           14.    The method of claim 13 wherein the converting includes combining  
8           exception hierarchies.

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10          15.    A computer-readable medium storing computer-executable  
11          instructions to convert an initial code associated with a first framework, the first  
12          framework having an exception hierarchy, to a converted code that maps the  
13          exception hierarchy of the first framework with an exception hierarchy of a second  
14          framework.

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16          16.    A method comprising:  
17          receiving an initial code associated with a first framework, the first  
18          framework having reflection transparency; and

19          converting the initial code to a converted code that supports the reflection  
20          transparency of the first framework on a second framework.

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22          17.    The method of claim 16 wherein the converting includes checking  
23          for methods associated with the reflection transparency of the first framework.

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1           18.    The method of claim 16 wherein the converting includes rendering a  
2 stack entry transparent.

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4           19.    A computer-readable medium storing computer-executable  
5 instructions to convert an initial code associated with a first framework, the first  
6 framework having reflection transparency, to a converted code that supports the  
7 reflection transparency of the first framework on a second framework.

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9           20.    A method comprising:  
10        receiving an initial code associated with a first framework, the first  
11 framework having scoping; and  
12        converting the initial code to a converted code that supports the scoping of  
13 the first framework on a second framework.

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15           21.    The method of claim 20 wherein the converting includes marking a  
16 package scope and a protected scope associated with the first framework as a  
17 public scope on the second framework.

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19           22.    The method of claim 20 wherein the converting includes marking a  
20 package scope associated with the first framework as an assembly on the second  
21 framework.

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23           23.    The method of claim 20 wherein the converting includes marking a  
24 protected scope associated with the first framework as an assembly or a family on  
25 the second framework.

1  
2 24. The method of claim 20 wherein the converting includes marking,  
3 the marking selected from a member of the group consisting of marking a  
4 protected scope associated with the first framework as an assembly or a family on  
5 the second framework; marking a package scope associated with the first  
6 framework as an assembly on the second framework; marking a package scope  
7 and a protected scope associated with the first framework as a public scope on the  
8 second framework; and combinations thereof.  
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10 25. A computer-readable medium storing computer-executable  
11 instructions to convert an initial code associated with a first framework, the first  
12 framework having scoping, to a converted code that supports the scoping of the  
13 first framework on a second framework.  
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15 26. A method comprising:  
16 receiving an initial code associated with a first framework, the first  
17 framework having type characteristics; and

18 converting the initial code to a converted code that supports the type  
19 characteristics of the first framework on a second framework.  
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21 27. The method of claim 26 wherein the converting supports type  
22 characteristics of the first framework related to casting between real and integer  
23 types on the second framework.  
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1           28.    The method of claim 26 wherein the converting supports type  
2 characteristics of the first framework related to overflow and undefined types on  
3 the second framework.

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5           29.    A computer-readable medium storing computer-executable  
6 instructions to convert an initial code associated with a first framework, the first  
7 framework having type characteristics, to a converted code that supports the type  
8 characteristics of the first framework on a second framework.

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10          30.    A method comprising:  
11           receiving an initial code associated with a first framework, the first  
12 framework having at least one member selected from the group consisting of  
13 object hierarchies, exception hierarchies, type characteristics, reflection  
14 transparencies, and scoping; and

15           converting the initial code to a converted code that supports at least one of  
16 the selected members on a second framework.

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18          31.    A computer-readable medium storing computer-executable  
19 instructions to convert an initial code associated with a first framework, the first  
20 framework having at least one member selected from the group consisting of  
21 object hierarchies, exception hierarchies, type characteristics, reflection  
22 transparencies, and scoping, to a converted code that supports at least one of the  
23 selected members of the first framework on a second framework.